I st And Final Bill

Work code. 005-16-000010

Est cost Rs. 49.00 Lacs

BR-34/30/17

M. A. R. 57 (Rule 116)
Measurement Book

SBR-15/ No. B /17

353401

Serial No. .....

Name of Work ..... Improvements to Roads And Drains At Basavalingappanagar in Ward No. 05 Byatarayana Pura Sub Division From ..... To .....

Name of Contractor of nature of Agency ..... K. NARASIMHA RAJU.

Date of commencement of work ..... Badrappa lay out. Bangalore-94

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work order No.	EE/BTP/B BMP/E.PMT/218/					2015-16 dt: 16-2-2016
	(1) Earthwork in Surface Excavation in ordinary Soil for clearing and covering the ground manaly Conversion foundation & Building Sewerage Road Drains and trenches & Pipe line and cables) and removing the excavated stuffs to a distance not exceeding 50 MTR and upto 1.50 MTR excavated						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Surface Leveled and ready dressed disposed earth to be leveled after breaking & clods and ready dressed as per Specification.						
	As Per Pre-measurment recorded vide Page No. 353457 to 353461 in this MB.					679.00 M^3	
	Rate 120:00						81480:00
(2)	Removing BS slag & drain and stacking ese.. compose As Per Specification and direction & Engineer incharge & the work.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	As Pe
	Page
	Rate. 50:00
(3)	Resizing Stone sl compose. Quan
	Rate. 70:00

Contents 7	Reference to last Measurement 8
displaced earth and neatly dressed. recorded vide in this MB. 79-00 M³ 81480=00 ing etc.. ion & Engineer	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353402

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	As per Pre. Measurement Page no. 353461 to 353463					recorded vide in this MB.	
	Rate. 50=00					3247.20 M²	162360=00
(3)	Resizing stone slabs & chiseling and pointing in CM 1:3 etc.. complete. Quantity vide item no. (2)					3247.20 M²	227304=00
	Rate. 70=00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Providing Granite Slabs of selected dressed and fixed in cement mortar 1:6 including curing etc., complete. 7.5 cms thick as per Basavalingappa Nagara					Quality Roughly 389.40 sqm Measured.	
	Main Road -	2	30.00	1.65	-	99.00	
		2	30.00	1.65	-	99.00	
	Balaji Anupa Layout						
	2nd cross.						
	R-side -	2	28.00	1.65	-	92.40	
	L-side -	2	30.00	1.65	-	99.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	4 M cross L-side R-side 7 M cross. L-side. R-side Main Road - Rate. 600:00

Contents	Reference to last Measurement
7	8
Quality of Roughly 26 Cu.m. Sing Stone be Compressed.	
9.00	
7.00	
40	
00	
9.4°	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353403

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents 389.4°	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	4 M cross						
	C-side	2	29.00	1.65	-	95.70	
	R-side	2	27.00	1.65	-	90.75	
	7 M cross. C-side.	2	25.00	1.65	-	82.80	
	R-side	2	24.00	1.65	-	80.85	
	Main Road -	2	23.00	1.65	-	75.90	
						816.80 M²	815.10
	Rate 600.00		Limited	to		811.80 M²	487080.00

Thousand 7 24/6/17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(5)	Providing Laying Spreading and Compacting graded Stone aggregate to wet mix Macadam Specification including premixing the material with Water at one in mechanical mix Plant Carriage & unloading & Proper lapse Laying in reforming Layers with Power in Sub base Course on prepared Surface and Compacting the ingredients to achieve the desired density Complete as per Specification.						
	As per Pre-measurement recorded vide Page No. 353464 to 353469 in this MB.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Page. 1375
(6)	Providing and ... and 9.8 to 12.2 ... medium pros... & granular bas... bitumen mix...

Contents 7	Reference to last Measurement 8
d Compacting Road dam Strengthening work Upper of ntage & mixed repair ering with Paver ed Surface and e centre line Drain on. recorded vide in Cash MB.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353404

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Page. 1375 : 58					1376.00 m^3	1892798 : 08
(6)	Providing and applying Primer Coat from 7-5 to 9-8 kg and 9-8 to 12-2 kg per 10 Sq.m on Surface & Coat and medium Pressure respectively over the Prepared Surface & granular base with Cut back Bit. MC 70 or any other bitumen mixed with diesel @ 10 kg per 10 Sq.m heated						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	in Siemen boiler fitted with Semi dry scr(excluding cleaning & road surface including all charges & masons labour HOM & measuring complete as per specification. As per Pre-measurement recorded vide Page No. 353469 to 353474 in this MB.					7280.00 m²	
	Page. 30.10						218400.10
(7)	Providing and laying semidense bituminous concrete 25mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	aggregate & binder as h.s mix to work with Semi dry concrete .Pecs etc.. Co Balaji Krupa 2nd cross. L

Contents 7	Reference to last Measurement 8
...ary 80g (excluding ...ace cost of masonry ...g Supervision. ...t recorded vide ...is Bill MB. ...74 ...280.00 M² ...218400.00 ...ious Coverage ...are HMP Producing ...ng Coverage	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353405

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	aggregate & required grading premixed with Bitumen using hot mix in work site carried out by a hydrostatic Paver finisher with Sensor Control to the required grade camber and alignment covering with smooth wheeled vibratory compressor including all lead, lift, compressor etc. complete. Balaji Krupa Layout 2nd cross. L-side.	1	30.00	(6.0 + 5.20) / 2 × 0.025		4.20	
	C&E.C	1	30.00	(5.20 + 5.15) / 2 × 0.025		3.88	
	88/10					8.08	

Executive Engineer
Eyeshwar Division
Yalahanka, U.B.M.P.
Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	8.08	
1	2	3	4	5	6	7	8
		1	30.00	(5.15 + 4.90) / 2	x 0.025	3.78	
		1	30.00	(4.90 + 5.25) / 2	x 0.025	3.80	
		1	30.00	(5.25 + 5.40) / 2	x 0.025	3.99	
		1	30.00	(5.20 + 4.50) / 2	x 0.025	3.63	
		1	30.00	(4.50 + 4.85) / 2	x 0.025	3.50	
		1	30.00	(4.85 + 4.55) / 2	x 0.025	3.52	
						30.26	

C&FC

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560092

R.B. 2e

M. A
Me

Serial No. .....

Name of Work ..... Fro

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
		1
		1
		1
		1
		1

C&FC

4th Cross, 1st Stage

Executive Enginee
Byatarayanapura Divi
Yelahanka Zone, B.B.
Bangalore-560092

Contents 8.08 7	Reference to last Measurement 8
3.76	
3.80	
3.99	
3.63	
3.30	
3.82	
30.26	

M. A. R. 57 (Rule 1

Measurement Book

181-92

No. B

353406

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 30.26 7	Reference to last Measurement 8
		1	30.00	4.55	0.025	3.41	
		1	24.40	(4.55 + 5.15) / 2	x 0.025	2.95	
	4th Cross, 1st Side	1	30.00	(5.80 + 5.40) / 2	x 0.025	4.20	
		1	30.00	(5.40 + 5.20) / 2	x 0.025	3.97	
		1	30.00	(5.20 + 4.80) / 2	x 0.025	3.75	
		1	30.00	(4.80 + 5.0) / 2	x 0.025	3.67	
						52.21	

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	52.21	
1	2	3	4	5	6	7	8
	R-Side -	1	30.00	$\frac{(5.0+5.30)}{2}$	x0.025	3.86	
		1	30.00	$\frac{(6.80+5.90)}{2}$	x0.025	4.76	
		1	30.00	$\frac{(5.90+5.40)}{2}$	x0.025	4.23	
	C&P.C. 88/10	1	30.00	$\frac{(5.40+5.10)}{2}$	x0.025	3.93	
		1	30.00	$\frac{(5.10+5.60)}{2}$	x0.025	4.01	
		1	30.00	$\frac{(5.60+5.30)}{2}$	x0.025	4.08	
						72.08	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	5 M Cross. C-S
	7 M Cross, R-Side
	C&P.C. 88/10

	Contents	Reference to last Measurement
h	52.21	
	7	8
25	3.86	
25	4.76	
25	4.23	
25	3.93	
25	4.01	
25	4.08	
	72.08	

M. A. R. 57 (Rule 1
Measurement Book

No. B

353407

1 81-92

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	77.08	
1	2	3	4	5	6	7	8
	5th Cross. C-side	1	14.50	(6.50 + 5.60) / 2	x 0.025	2.19	
	7th Cross. R-side	1	30.00	(6.40 + 5.70) / 2	x 0.025	4.53	
		1	30.00	(5.70 + 5.15) / 2	x 0.025	4.06	
		1	30.00	(5.15 + 5.80) / 2	x 0.025	4.40	
		1	30.00	(5.80 + 5.40) / 2	x 0.025	4.20	
						96.16	

Chkd. 28/10/10

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	96.16	
1	2	3	4	5	6	7	8
	Main Road -	1	21.00	$\frac{(5.40+4.70)}{2}$	x 0.025	2.65	
		1	8.00	8.45	0.025	1.69	
		1	30.00	$\frac{(8.45+9.40)}{2}$	x 0.025	6.69	
		1	30.00	$\frac{(9.40+9.60)}{2}$	x 0.025	7.12	
		1	30.00	$\frac{(9.60+8.40)}{2}$	x 0.025	6.63	
		1	30.00	$\frac{(8.40+7.80)}{2}$	x 0.025	5.96	
		1	15.00	$\frac{(7.80+8.40)}{2}$	x 0.025	2.96	
						129.86	

C&F.C. 28/10

Executive Engineer
Byatarayanapura Division
Vidhanika Zone, B.B.M.P.
Bangalore-560092

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Basavalingappa Na
	Cross Road

C&F.C. 28/10

Executive
Byatara
Vidha
Ban

ontents 96.16 7	Reference to last Measurement 8
2.65	
.69	
.69	
.12	
.63	
.96	
.96	
29.86	

M. A. R. 57 (Rule 1

Measurement Book

No. B 353408

181-92

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 129.86 7	Reference to last Measurement 8
	Basava Lingappa Nagara.						
	Cross Road	1	30.00	(5.90 + 7.40) / 2	x 0.025	4.98	
		1	30.00	(5.20 + 5.45) / 2	x 0.025	3.99	
		1	30.00	(5.45 + 5.60) / 2	x 0.025	4.14	
		1	30.00	(5.60 + 4.80) / 2	x 0.025	3.90	
		1	21.20	(4.80 + 4.15) / 2	x 0.025	2.37	
						149.24.	

Executive Engineer

Byatarayanapura Sub-Division

Yelahanka

Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	149.24	
1	2	3	4	5	6	7	8
	Main Road (Hegdenagara Main Road to Basavalingappa Nagara)	1	30.00	2.50	0.025	1.87	
		1	30.00	(2.50+2.60)/2	x0.025	1.91	
		1	30.00	(2.60+3.80)/2	x0.025	2.40	
		1	30.00	(3.80+3.60)/2	x0.025	2.77	
		1	30.00	(3.60+3.70)/2	x0.025	2.73	
		1	30.00	(3.70+2.70)/2	x0.025	2.40	
		1	30.00	2.70	0.025	2.02	
		1	5.00	2.30	0.025	0.28	
						165.62	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ac
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	Basavalingappa Main Road.

	Contents 149.24 7	Reference to last Measurement 8
25	1.87	
25	1.91	
25	2.40	
25	2.77	
25	2.73	
25	2.40	
25	2.02	
25	0.28	
	165.62	

M. A. R. 57 (Rule 1

Measurement Book

181-92

No. B

353409

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 165.62 7	Reference to last Measurement 8
		1	3.70	1.90	0.025	0.17	
		1	2.60	3.30	0.025	0.21	
		1	2.60	1.60	0.025	0.10	
	Basaveshwaranagara Main Road.	1	30.00	$\frac{(3.60+2.20)}{2}$	x0.025	2.17	
		1	30.00	$\frac{(2.20+2.50)}{2}$	x0.025	1.76	
		1	30.00	$\frac{(2.50+3.10)}{2}$	x0.025	2.10	
						172.13	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	172.13	
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(3.10+4.0)}{2}$	x0.025	2.66	
		1	30.00	$\frac{(4.0+3.10)}{2}$	x0.025	2.66	
		1	30.00	$\frac{(3.10+2.90)}{2}$	x0.025	2.25	
	Road cuttings.	1	6.90	1.00	0.025	0.17	
		1	5.30	1.30	0.025	0.17	
		1	5.70	2.20	0.025	0.31	
		1	6.80	2.80	0.025	0.45	
		1	5.00	2.20	0.025	0.27	
		1	5.00	2.40	0.025	0.28	
						181.35	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Rate - 8400 : 40
(8)	Lead for Disposal of Muck from 0.00 to 2.00

OOK

Depth 6	Contents 172.13 7	Reference to last Measurement 8
4.0)		
x0.025	2.66	
3.(0)		
x0.025	2.66	
2.90)		
x0.025	2.25	
0.025	0.17	
0.025	0.17	
0.025	0.31	
0.025	0.45	
0.025	0.27	
0.025	0.28	
	181.35	

M. A. R. 57 (Rule 1

Measurement Book

No. B

353410

181.92

Serial No. .....

Name of Work ..... From.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 181.35 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	5.30	2.00	0.025	0.26	
		1	5.00	1.60	0.025	0.20	
		1	9.60	1.30	0.025	0.31	
						182.14 M³	
			limited to			182.00 M³	1528128 -
	Rate - 8400 : 00					181.92	1528800 : 00
(8)	Lead for Disposal of debris shall be measured by mechanical means including loading and unloading from 0.00 to 2.00 KM.					Thandwal dt. 21/7/17	

MEASUREMENT BOOK

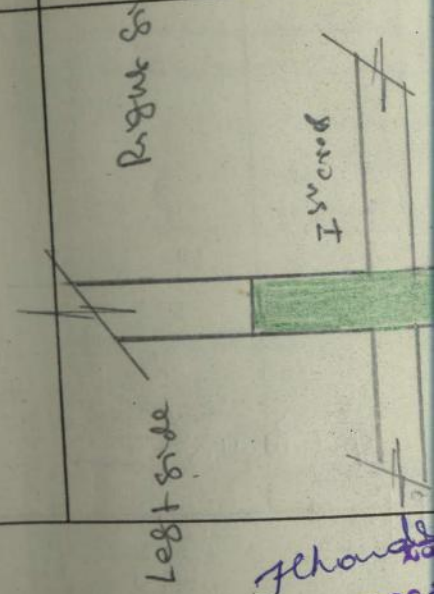
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1.	2	3	4	5	6	7	8
	Quantity vide Item no. (1)					679.00 m^3	
	Rate - 60=00						40740=00
	C/FC						
	Certificate.					Total Rs -	463856=00 46.37.889/-
	(1) certified that the work is done satisfactory						Khandurao 28/6/17
	(2) This bill amount has not been claimed in any of previous bills.						
	Accepted all measurements with full & final settlement.						

Khandurao
ಸಹಾಯಕ ಅಧಿಕಾರಿಯಂತರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Dasarahalli Sub Division
B.B.M.P. Bangalore-560024

Serial No. ..... Bala
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2



Khandu

pth 6	Contents 7	Reference to last Measurement 8
	679.00 m^3	
		40740.00
otal Rs -	463856	=00
		46.37.889/-
Chandra		28/4/17
or be done	Satisfactory	
not been measured		
Surements with		
ement		

M. A. R. 57 (Rule 1

Measurement Book

No. B

353411

Serial No. .....

Name of Work ..... Balaji krupa layout

From 18-1-92

Name of Contractor of nature of Agency ..... ENGR ASphalt work

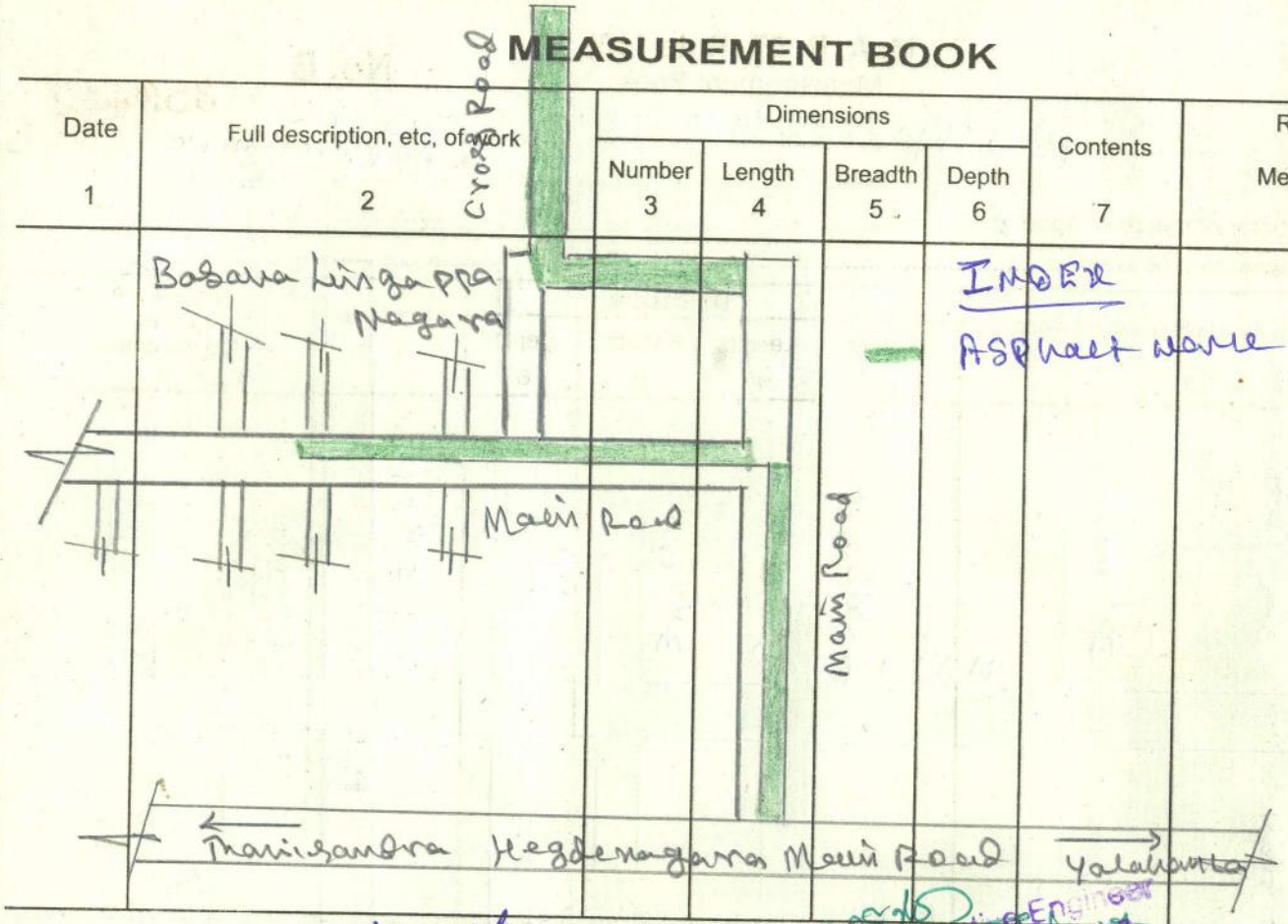
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Rough sketch						
	1 Y cross						
	MAIN ROAD		2nd cross				
				3rd cross			
					4 M cross		
						5 M cross	
							6 M cross
							7 M cross
	Left side						

Chandra ಕಛೇರಿಯಲ್ಲಿ ಅಳತೆಯಾದ ಕೆಲಸಗಳ ವಿವರ ಮತ್ತು ಪ್ರಮಾಣವನ್ನು ಪರಿಶೀಲಿಸಿ ಸರಿಯಾಗಿದೆಯೆಂದು ಖಚಿತಪಡಿಸಿಕೊಂಡು ಬಿಲ್ಲು ಪಾವತಿ 28/4/17

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



INDEX

Asphalt work

28/6/17

Assistant Executive Engineer
Byatarayanapura
28/6/2017

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2

46,37

Rs: Forty two lakh

28/10

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	INDEX		
	ASPhalt work		
...oad	Yalahanka		

Engineer 28/6/2010
...560024

M. A. R. 57 (Rule 1... No. B 353412

Measurement Book

181-92

Serial No. .... From....................................

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	46,37,889-00 354230-00 42 83 659-00 Rs: Forty two lakh eighty three thousand six hundred fifty nine 28/10 — 28/10					Total Rs:	46,37,889-00
						IT-	46379-00
						VAT-	185516-00
						Cess-	46379-00
						CBF-	4638-00
						LR-	60293-00
						Fine-	11025-00
						Adj:	354230-00
						Cheque:	42,83,659-00